

**A. CLASSIFICATION OF SUBJECT MATTER**Int. Cl. <sup>7</sup>: F03G 7/06

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

See below under "Electronic databases searched"

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI : keyword search : SMA, control, current and similar terms

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6516146 B1 (KOSAKA) 4 February 2003 Column 2, lines 36-52; column 7, lines 24-27, claim 12	1-51
Y	US 2003/0168438 A1 (ZHOU) 11 September 2003 Page 2, paragraphs [0017], [0039]-[0040], claim 7	1-51
Y	Patents Abstracts of Japan, JP 2001-142105 A (MINOLTA CO LTD) 25 May 2001 Abstract	1-51
Y	US 4884557 A (TAKEHANA et al.) 5 December 1989 The whole document	1-51

☒ Further documents are listed in the continuation of Box C☒ See patent family annex

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

4 May 2005

Date of mailing of the international search report

11 MAY 2005

Name and mailing address of the ISA/AU

AUSTRALIAN PATENT OFFICE  
PO BOX 200, WODEN ACT 2606, AUSTRALIA  
E-mail address: pct@ipaaustralia.gov.au  
Facsimile No. (02) 6285 3929

Authorized officer

**ASANKA PERERA**

Telephone No : (02) 6283 2373

C (Continuation).

## DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Patents Abstracts of Japan, JP 2001-099770 A (MITSUBISHI CABLE IND LTD) 13 April 2001 Abstract	1-51
Y	Patents Abstracts of Japan, JP 10-311767 A (OMRON CORP) 24 November 1998 Abstract	1-51
	<i>Note: any one of the first three citations could be combined with any one of subsequent citations for testing inventive step of the above claims.</i>	
A	US 4825184 A (BLOCH et al.) 25 April 1989 The whole document	1-51
A	US 2003/0000524 A1 (ANDERSON et al.) 2 January 2003 Figure 6	1-51

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
US	6516146	JP	2001142105		
US	20030168438	JP	2001142105	US	6516146
US	4884557	JP	1037926	JP	1070020
		JP	1264795	JP	1097431
				JP	63281619
				JP	63292933
JP	10311767				
US	4825184				
US	20030000524				

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX